This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

Docket Number DECLARATION AND POWER OF ATTORMEY 13DV-14043/11713 FOR PATENT APPLICATION As a below named inventor, I hereby declare that: My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: REDUCED-TANTALUM SUPERALLOY COMPOSITION OF MATTER AND ARTICLE MADE THEREFROM, AND METHOD FOR SELECTING A REDUCED-TANDALUM SUPERALLOY the specification of which is attached hereto OR as United States Application Number or PCT International Application Number was filed on (if applicable). and was smended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. i acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, §1.56. I hareby claim foreign priority benefits under Title 35, United States Code §119 (a)-(d) or §365 (b) of any foreign application(s) for patent or inventor's certificate, or \$365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed. Priority Claimed PRIOR FOREIGN APPLICATION(S) None C Yes C No (Day/ManilyYear Filed) (County) Number ☐ Yes ☐ No (Day/Month/Year Filed) (Number) (Country) Additional forsign application numbers are listed on a supplemental priority data sheet attached hereto. hereby claim the benefit under Title 35, United States Code §119 (e) of any United States provisional application(s) listed below. Additional provisional application a no belail era anadmun (Fling Date) supplemental priority data sheet (Application Number) attached herelo. I hereby claim the benefit under Title 35, United States Code §120 of any United States Application(s), or §365 (c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of This 35, United States Code \$112, I acknowledge the duty to disclose information which is material to patentability as defined in This 37. Code of Federal Regulations \$1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application. (Status - patented, pending, abandoned) (Filing Date) (Application Number) (Status - patented, pending, abandoned) (Filing Date) (Application Number) I hereby appoint the registered practitioners associated with Customer Number : 31316 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

775-588-0345 Gregory Garmong at telephone number Address all telephone calls to: Address all correspondence to: Gregory Garmong P.O. Box 12460 PATENT 4 TRADEMARK OFFICE

89448 Zephyr Cove, NV

Customer Number 000031316

Page 1 of 2

ALG. ZZ ZOOZ 06:23AM PZ7

GEAE (997)

FAX NO.: 7755880346

FROM: GARMONG

16018 NO. 346 #P. 2 11

Docket Number 13DV-14043/11718

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and that like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

ull name:	Kevin	Swayne	O'Ha:	ra
_	First Name	Middle Nerrie	Lest No	me
		1 02	Laca Data	08/22/200
ilgnature: _	Meni	Suage	Date	00/ = = / 200
			Althorabio	United States
Residence:	Boxford,	MA	Citizenship:	United States
	City and State			
Post Office A	demon 13 V	Wildmeadow Road, Box	ford, MA 01921	
Post Office A	201685.			
				<u> </u>
	INT INVENTOR:	·		
Full name:	William	Scott		ston
	First Name	aliddie Name	Last No	ime
Otana ada sasa		•	Date	·
Signature: _				
	Mason, O	ti	· i <u>Cilibratulul</u>	United States
Kesidence;	Mason, Ol			
Post Office A	44 693	O Parklake Dr., Masc	n. OH 45040	
		0 1011111111111111111111111111111111111	,	
	(daress;	0 101/12010 220 / 1		
	OCIESS: 003			
				·
	(octress: USS			
				·
THIRD JOINT	INVENTOR:			
THIRD JOINT	INVENTOR:			· ·
THIRD JOINT Full name: _	INVENTOR:	Warren	ROSS Lest No	imė
THIRD JOINT Full name: _	INVENTOR:	Warren	Ross	imė
THIRD JOINT Full name: _ Signature: _	INVENTOR: Far1 First Name	Warren Midde Name	ROSS Lest No.	
THIRD JOINT Full name: Signature: _ Residence:	INVENTOR: Farl First Name Cincinnat	Warren Midde Name	ROSS Lest No.	united States
THIRD JOINT Full name: Signature: _ Residence:	INVENTOR: Far1 First Name	Warren Midde Name	ROSS Lest No.	
THIRD JOINT Full name: _ Signature: _ Residence:	INVENTOR: Farl First Name Cincinnat City and State	Warren Midde Neme	Ross Lest No Date Citizenship:	United States
THIRD JOINT Full name: _ Signature: _ Residence:	INVENTOR: Farl First Name Cincinnat City and State	Warren Midde Name	Ross Lest No Date Citizenship:	United States
THIRD JOINT Full name: _ Signature: _ Residence:	INVENTOR: Farl First Name Cincinnat City and State	Warren Midde Neme	Ross Lest No Date Citizenship:	United States
THIRD JOINT Full name: Signature: Residence: Post Office A	Farl First Name Cincinnat City and State ddress: 730	Warren Midde Neme	Ross Lest No Date Citizenship:	United States
THIRD JOINT Full name: Signature: _ Residence:	Farl First Name Cincinnat City and State ddress: 730	Warren Midde Neme	Ross Lest No Date Citizenship:	United States
THIRD JOINT Full name: Signature: _ Residence: Post Office A	Farl First Name Cincinnat City and State ddress: 730	Warren Midde Neme	Ross Lest No Date Citizenship:	United States
THIRD JOINT Full name: Signature: Residence: Post Office A	Farl First Name Cincinnat City and State ddress: 730	Warren Midde Neme	Ross Lest No Date Citizenship:	United States
THIRD JOINT Full name: Signature: Residence: Post Office A	Farl First Name Cincinnat City and State ddress: 730 NT INVENTOR:	Warren Midde Name	Ross Lest No Date Citizenship: mnati, Ohio	United States 45229
THIRD JOINT Full name: Signature: Residence: Post Office A	Farl First Name Cincinnat City and State ddress: 730	Warren Midde Neme	ROSS Lest No Date Citizenship: mnati, Ohio	United States 45229
THIRD JOINT Full name: Signature: Residence: Post Office A	Farl First Name Cincinnat City and State ddress: 730 NT INVENTOR:	Warren Midde Name	Ross Lest No Date Citizenship: mnati, Ohio	United States 45229
THIRD JOINT Full name: _ Signature: _ Residence: Post Office A	Farl First Name Cincinnat City and State ddress: 730 NT INVENTOR:	Warren Midde Name	ROSS Lest No Date Citizenship: mnati, Ohio	United States 45229
THIRD JOINT Full name: Signature: Post Office A FOURTH JOII Full name:	Farl First Name Cincinnat City and State ddress: 730 NT INVENTOR:	Warren Midde Name	Ross Lest No Date Citizenship:	United States 45229
THIRD JOINT Full name: Signature: Residence: Post Office A	Farl First Name Cincinnat City and State ddress: 730 NT INVENTOR:	Warren Midde Name	ROSS Lest No Date Citizenship: mnati, Ohio	United States 45229
Full name: Signature: Residence: Post Office A	Farl First Name Cincinnat City and State ddress: 730 NT INVENTOR:	Warren Midde Name	Ross Lest No Date Citizenship:	United States 45229
FUII name: Signature: Post Office A OURTH JOII Fuil name:	Cincinnat Cincinnat City and State City and State	Warren Midde Name	Ross Lest No Date Citizenship:	United States 45229
HIRD JOINT full name: Signature: Post Office A OURTH JOII full name: Ignature: Residence:	Cincinnat Cincinnat City and State City and State	Warren Midde Name	Ross Lest No Date Citizenship:	United States 45229

;7865015

Docket Number 13DV-14043/1171B

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements.

SOLE OR FIF	RST INVENTOR:			
Full name: _	Kevin	Swayne	O'Hara	a
_	First Name	Middle Name	Lest Nam	
Signature: _			Date	
Residence:	Boxford, MA		Citizenship:	United States
	City and State			
Post Office A	ddress: 13 Wildme	eadow Road, Boxfo	rd, MA 01921	
				
	· · · · · · · · · · · · · · · · · · ·			
SECOND IOI	INT INVENTOR:			
Second sor Full name:	William	Cook	£.7 → 3 ··· 4	
, vii Hallio	WIIIIam First Name	Scott Middje Name	Walst Last Name	
Signature: _	Williams	ott Walston		8/22/02
Signature	· · · · · · · · · · · · · · · · · · ·	- I Amond O	Date	1991UX
Residence:	Mason, OH		Citizenshin: Tir	nited States
	City and State	· · · · · · · · · · · · · · · · · · ·		2000 2000
Post Office Ad	ddress: 6830 Parl	klake Dr., Mason,	OH 45040	
Post Office Ad	ddress: 6830 Paxl	klake Dr., Mason,	ОН 45040	
Post Office Ad	ddress: 6830 Parl	klake Dr., Mason,	ОН 45040	
Post Office Ad	ddress: 6830 Parl	klake Dr., Mason,	OH 45040	
Post Office Ad		klake Dr., Mason,	OH 45040	
	INVENTOR:			
THIOL DAIH		Warren Middle Name	OH 45040 Ross Lest Name	1
THIRD JOINT	INVENTOR:	Warren	ROSS Last Name	8/22/02
THIOL DAIH	INVENTOR:	Warren	Ross	_ 1 _ 1
THIRD JOINT	INVENTOR: Farl First Name Cancer was Cincinnati, Oh:	Warren Middle Name	Ross Last Name Date	8/22/02
rHIRD JOINT Full name:	INVENTOR: Farl First Name	Warren Middle Name	Ross Last Name Date	_ 1 _ 1
rHIRD JOINT Full name:	INVENTOR: Farl First Name Cincinnati, Oh: City and State	Warren Middle Name	Ross Lest Name Date Citizenship: Ur	8 22 0 2 nited States
FHIRD JOINT Full name: Gignature: Residence:	INVENTOR: Farl First Name Cincinnati, Oh: City and State	Warren Middle Name	Ross Lest Name Date Citizenship: Ur	8/22/02
FHIRD JOINT Full name: Gignature: Residence:	INVENTOR: Farl First Name Cincinnati, Oh: City and State	Warren Middle Name	Ross Lest Name Date Citizenship: Ur	8 22 0 2 nited States
FHIRD JOINT Full name: Gignature: Residence:	INVENTOR: Farl First Name Cincinnati, Oh: City and State	Warren Middle Name	Ross Lest Name Date Citizenship: Ur	8 22 0 2 nited States
FHIRD JOINT Full name: Gignature: Residence:	INVENTOR: Farl First Name Cincinnati, Oh: City and State	Warren Middle Name	Ross Lest Name Date Citizenship: Ur	8 22 0 2 nited States
FHIRD JOINT Full name: Gignature: Residence:	INVENTOR: Farl First Name Cincinnati, Oh: City and State dress: 730 Betula	Warren Midde Name io Avenue, Cincinna	Ross Lest Name Date Citizenship: Ur	8 22 0 2 nited States
THIRD JOINT Full name: Signature: Residence: Post Office Ad	INVENTOR: Farl First Name Cincinnati, Oh: City and State dress: 730 Betula	Warren Middle Name	Ross Lest Name Date Citizenship: Ur	8 22 0 2 nited States
THIRD JOINT Full name: Signature: Residence: Post Office Ad	INVENTOR: Farl First Name Cincinnati, Oh: City and State dress: 730 Betula	Warren Midde Name io Avenue, Cincinna	Ross Last Name Date Citizenship: Ur ati, Ohio	8 22 0 2 nited States 45229
FHIRD JOINT Full name: Gignature: Residence: Post Office Ad OURTH JOIN Full name:	INVENTOR: Farl First Name Cincinnati, Oh: City and State dress: 730 Betula	Warren Midde Name io Avenue, Cincinna	Ross Last Name Date Citizenship: Ur ati, Ohio	8 22 0 2 nited States
rHIRD JOINT Full name: Residence: Post Office Ad OURTH JOIN Full name:	INVENTOR: Farl First Name Cincinnati, Oh: City and State dress: 730 Betula	Warren Midde Name io Avenue, Cincinna	Ross Last Name Date Citizenship: Ur ati, Ohio Last Name Date	8 22 0 2 nited States 45229
FHIRD JOINT Full name: Gignature: Residence: Post Office Ad OURTH JOIN Full name:	INVENTOR: Farl First Name Cincinnati, Oh: City and State dress: 730 Betula	Warren Midde Name io Avenue, Cincinna	Ross Last Name Date Citizenship: Ur ati, Ohio Last Name Date	8 22 0 2 nited States 45229
FHIRD JOINT Full name: Gignature: Residence: Post Office Ad OURTH JOIN Full name:	INVENTOR: Farl First Name Cincinnati, Oh: City and State dress: 730 Betula IT INVENTOR: First Name City and State	Warren Midde Name io Avenue, Cincinna	Ross Last Name Date Citizenship: Ur ati, Ohio Last Name Date	8 22 0 2 nited States 45229